

Comparisons of Job Characteristics

Focus Occupation: Forensic Science Technicians (19-4092)

Associated Occupation: Physical Scientists, All Other (19-2099)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 28

Focus Occupation: Forensic Science Technicians (19-4092)
Associated Occupation: Physical Scientists, All Other (19-2099)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Geography	3.9	21.7	5.7	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	17.9	12.1	<<	Extensive education and/or training may be required
Mathematics	9.2	16.2	10.0	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	12.4	6.0	<<	Extensive education and/or training may be required
Physics	4.3	11.9	6.9	<<	Extensive education and/or training may be required
Biology	3.7	9.4	9.3	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Forensic Science Technicians (19-4092)
Associated Occupation: Physical Scientists, All Other (19-2099)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reading Comprehension	10.7	14.9	13.1	<	A higher skill level may be required
Writing	9.2	13.9	13.5	0	Current skill level may be sufficient
Complex Problem Solving	9.1	13.3	12.6	0	Current skill level may be sufficient
Science	4.5	13.2	9.8	<<	Extensive development of skills in this area may be required
Mathematics	6.2	12.2	8.5	<<	Extensive development of skills in this area may be required

Operations Analysis	5.0	11.6	4.8	<<	Extensive development of skills in this area may be required
Systems Analysis	6.5	11.4	8.3	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	10.1	7.2	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: Forensic Science Technicians (19-4092) Associated Occupation: Physical Scientists, All Other (19-2099)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Written Comprehension	11.0	15.1	14.1	0	Current ability level may be sufficient
Deductive Reasoning	10.6	14.4	15.1	0	Current ability level may be sufficient
Inductive Reasoning	10.2	13.8	14.3	0	Current ability level may be sufficient
Written Expression	9.8	13.6	12.8	0	Current ability level may be sufficient
Problem Sensitivity	11.1	13.5	14.4	0	Current ability level may be sufficient
Mathematical Reasoning	6.3	13.0	8.5	<<	Extensive improvement in abilities may be required
Information Ordering	9.9	12.5	12.9	0	Current ability level may be sufficient
Number Facility	6.3	11.2	8.3	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	11.1	12.0	0	Current ability level may be sufficient
Flexibility of Closure	7.8	10.6	16.0	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

There are no common work activities.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 29
Focus Occupation: Forensic Science Technicians (19-4092) Associated Occupation: Physical Scientists, All Other (19-2099)		
Tools and Technologies	Exclusivity	
Cameras	2	
Computers	1	
Content authoring and editing software	1	
Industry specific software	1	
Information exchange software	1	
Light and wave generating and measuring equipment	4	
Network applications software	1	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.